EXHIBIT E

Battler A" contained lanolin or wool fat, but only trace amounts of a The president of the company stated by affidavit that no divaaboratory analysis of the ash content of "Corrosion Battler A" did in fact reveal certain traces of various metals, both monovalent and divalent, the amounts be attributable to sources other than the not in effect contain any "soap of a ent metal was intentionally added to this compound by the company. Although found were insignificant and could likely sosp of the compound. The Clearkin composition "Corrosion Battler A" does divalent metal," and this compound therefore cannot be said to infringe the Smith patent claims, all of which are specifically directed to emulsifying agents comprised of a fatty acid or organic soap of divalent metal. a divalent metal

submitted as to the composition of Texaco aco Float Coat, supplied to the Navy by the Texas Company, although it does not rely on this fact for a showing of specific liability in the case. No proof has been Plaintiff also alleges infringement of ts patent by a compound known as Tex-Float Coat.

7 of the Smith patent in suit, relating to patent are found to have been infringed by defendant's use of the Eureka Chemi-In summary, it is concluded that claim a single-step process for the prevention of rust, etc., is invalid in view of the disclosure of the prior Wakefield British Claims 1 through 5 of the Smith cal Company's compounds E-220 and E-221 in the flotation method for removing Chemical Company's composition "Corrosion Battler A" [and Texaco Float rust. Defendant's use of the Clearkin Coat] is found not to come within the invention defined in claims 1 through 5 of the Smith patent. patent.

to the commissioner for further proceed-It is recommended that a judgment be entered for the plaintiff on the issue of liability, and that the case be remanded ings under Rule 47(c) (2) to determine the amount of recovery.

The SOUNDSCRIBER CORPORATION

The UNITED STATES. No. 478-68.

United States Court of Claims. May 13, 1966.

held that selected claims of Patent No. icensed use and manufacture by or for United States of inventions described in certain patents. The Court of Claims Action by patent holder against United States for compensation for un-2,803,413 relating to long-playing magtus and devices used in conjunction with sound recording were valid, and that evidence established that United States had netic sound recorder-reproducer apparaused invention without authorization.

Judgment for claimant for \$3,000.

L Patents (=112(8)

Patent issued by Patent Office is presumed valid. 35 U.S.C.A. § 282.

2. Patents (278(11/4)

patent issued by Patent Office is on a Burden of establishing invalidity of party asserting invalidity. 35 U.S.C.A.

3. Patemits (2012(5)

Presumption of validity of patent issued by Patent Office may be dispelled. especially by reference to pertinent prior art not considered by Patent Office. 36 U.S.C.A. § 282

4. Patents \$\infty\$ (11\)

drawn from existing fund of public useful, it is not patentable if it consists of no more than a combination of ideas knowledge and if it produces results that would be expected by one skilled in Though a device may be new and the art. 35 U.S.C.A. § 103.

5. Patenta (1928

Selected claims of Patent Numbers 2,743,319, 2,750,449, 2,826,642, 2,845,495, 2,915,595 relating to long-playing magnetic sound recorder-reproducer appara-

SOUNDSCRIBER CORPORATION V. UNITED STATES Cite as 300 F.2d 904 (1966)

us and devices used in conjunction with sound recording were invalid as reciting mere aggregations of elements which were old in the art and produced no unexpected result. 35 U.S.C.A. § 103.

8. Patents (~18

must not through hindsight. 35 U.S.C.A. § 103. made at time of invention, Determination of obviousness 7. Patents (2966(8)

of the 35 U.S. Patent application filed subsequent to filling of application for patent attacked as invalid was not available as anticipatory reference against one claims of the patent attacked. C.A. § 102.

8. Patents (Df.(1)

To constitute "anticipation," all elements recited in claim or their equivalents must be found in one unit of the prior art. 35 U.S.C.A. § 102.

See publication World and Phrases for other judicial constructions and rlefinitions.

9. Patents (==51(1)

To bar patentability, prior knowledge and use must be "public knowledge and use," that is, it must have been accessible to the public. 35 U.S.C.A. § 102. See publication Worls and Phrases

for other julicial constructions definitions.

One who relies on prior knowledge tain anticipation by clear and convincing and use to defeat patentability must susproof. 35 U.S.C.A. § 102. 10. Patents (2-62(8)

11. Patenta @155

dependent upon another claim of patent did not estop holder against charging Patent holder's disclaimer of claim infringement of the other claim.

12. Paternts (=155

claim of patent may be covered by other Structures defined by claims not disclaimed.

claimer has been properly entered must be the same as if the matter so disclaim-ed had never been claimed. Construction of patent after dishad never been claimed.

14. United States @141(7)

United States of invention claimed in two patents had been reduced to practice under terms of government contract, that the work had been paid for by funds charged to the contract, and that the government would be entitled to royalty-free that devices defined in two patents which were subject of action for compensation for unlicensed use and manufacture by or for license to use those patents if they had Evidence established

16. Patents 0-314

been found valid.

In determining issues of infringement, one must look to patent claims.

Patent claims define what patent covers.

16. Patents 4-165(2)

The range of equivalents which can be accorded invention depends on degree 17. Putents C-178 of invention.

18. Patents (2017)

The degree of invention is determined by state of the art.

19. Patents C-178

Where the art is crowded and the claims must be narrowly construed to be distinguished over prior art, the range of equivalents is narrow.

20. Patents @-178

fined to distinguish over prior art cited by Patent Office were to be accorded Resilient means incorporated by reference into patent claims narrowly denarrow range of equivalents.

21. Patents -528

ed narrowly defined claims 6 and 18 of Patent Number 2,750,449 relating to long-playing magnetic sound recorderreproducer apparatus and devices used in Accused sound recorder-reproducer which did not utilize resilient means falling within range of equivalents accordconjunction with sound recording did not infringe those claims, even if they were

22. Patents C-328

valid.

Selected claims of Patent Number 2,803,413 relating to long-playing mag-

EXPIPIT E . August 22, 2003 **ETTGG** and Robert Norman Rice ON Serial Міслаед Маупе Скалат

23. United States Cold (7)

Evidence established that United States sued for compensation for unicensed use and manufacture by or for itself of invention had in fact used the nvention without authorization. J. Philip Anderegg, New York City, attorney of record, for plaintiff. Pennie, Edmonds, Morton, Taylor & Adams, New York City, of counsel. Michael W. Werth, Washington, D. C., whom was Asst. Atty. Gen., John Douglas, for defendant. with

and and Before COWEN, Chief Judge, LARAMORE, DURFEE, DAVIS COLLINS, Judges.

PER CURIAM:

ment from defendant to plaintiff for a S. patent No. 2,803,413, and as pay-Thereafter, on March 7, 1966, the parties filed a stipulation wherein it was conclusion of law in the report be adopted of three thousand dollars (\$3,000), as of the invention described and claimed in This case was referred to Trial Commissioner Donald E. Lane with directions mendation for conclusions of law. The commissioner has done so in an opinion stipulated and consented that the opinion, findings of fact and recommended as the opinion, findings of fact and conclusion of law of the court. It was further stipulated that there be entered indement for the plaintiff in the amount reasonable and entire compensation (including interest) for all unlicensed use and manufacture by or for the defendant report filed on January 17, 1966. to make findings of fact and recom-

reference and Rule imler the onler of

mondel conclusion of law are submitted "The opinion, findings of fact, and recom-

STATE OF THE STATE

paid-up, non-exclusive, irrevocable, non-transferable, royalty-free license to pracbe in accordance with the stipulation of lice, and cause to be practiced for the defendant throughout the world for governmental purposes in the manufacture, use and disposition according to law, of any article or material, and in the use and claimed in U. S. patent No. 2,803,413. Since the court agrees with the trial commended conclusion of law, as hereinafter set forth, it hereby adopts the same as the basis for its judgment in this case without oral argument. The opinion and conclusion of the trial commissioner accord with the principles announced by the Supreme Court in Graham et al. v. John Deere Company of Kansas City et al., 383 U.S. 1, 86 S.Ct. 684, 15 L.Ed.2d 545, and United States v. Adams, 383 U.S. 39, 86 S.Ct. 708, 15 L.Ed.2d 572, plaintiff with the amount of recovery to of recovery be determined under Rule of any method, the invention disclosed missioner's findings, opinion and recom-October Term, 1965, all decided February 21, 1966. Plaintiff is, therefore, entitled to recover and judgment is entered for the parties submitted after the commissioner's recommendation that the amount 47(c) (2), as previously set forth.

OPINION OF COMMISSIONER *

just and entire compensation for the unauthorized use of plaintiff's patented in-LANE, Commissioner: This is a patent suit under Title 28 U.S.C. § 1498 for ventions by the defendant. It is found that the selected claims of Letters Pat-2,845,495, and 2,915,595 are invalid, and that the selected claims of Letters Patent No. 2,803,413 are valid and have been used without authorization in defendant's RD-115B/UN sound recorder-reproducer equipment. The patent claims in suit, the pertinent structures of the accused sound recorder-reproducers and asseciated equipments, and the prior art items urged by defendant are set forth ent Nos. 2,750,449, 2,743,319, 2,826,642

SOUNDSCRIBER CORPORATION V. UNITED STATES

Cite as 300 F.2d 974 (1998)

in the accompanying find-The parties have agreed to a separation of the issues for trial. The questions of validity, infringement, and icense are now before the court. in full detail ings of fact.

of entire right, title, and interest in and and existing under the laws of the State of Connecticut and is the record owner to the following patents in suit: Plaintiff is a corporation

PATENTS AND PATENT CLAIMS IN SUIT

No.	Patentee	Year	Claims
2,750,449 2,743,319 2,826,642 2,845,495 2,945,495	Thompson, et al. 1956 6, 15, 16, and 18. Thompson, et al. 1956 1, 2, 3, 8, 9, 11, at Lyon. Lyon, et al. 1958 1 and 2. Lyon, et al. 1958 7, 8, and 9. Lyon 1959 1, 3, and 4	1956 1956 1957 1958 1958	6, 15, 16, and 18. 1, 2, 3, 8, 9, 11, and 12. 1 and 2. 1, and 2. 7, 8, and 9. 1, 3, and 4.

The above-listed patents will hereinafter be referred to as the '449, '319, '413, '642, 495, and '595 patents.

describe a plurality of parallel transverse tracks at substantially right angles to face of rotatable drum having its axis of rotation parallel to the direction of tape The transducer heads of the 495 and '695 putents contact the tape and relate to drum type recorder-reproducers which utilize a plurality of transducer heads disposed about the peripheral sursound recorder-reproducers wherein a plurality of transducer elements is carhaving its axis of rotation perpendicular tively wide magnetic tape. The transducer elements are adapted to contact moving tape so as to form a plurality of arcuate tracks across the width of the tape. The transducer elements produce magnetic tracks to record information on the tape and also serve to pick up from information for reproduction. The '495 and '695 patents The patents in suit relate to long-playing magnetic sound recorder-reproducer apparatue and to devices used in conjunction with sound recording. The '449 and '319 patents are directed to magnetic ried on the end face of a rotatable drum to the direction of movement of a relathe tape as the drum rotates under the the longitudinal axis of the tape. the tape the recorded travel.

'319 patent relates to a reel clamp and handle combination while the '642 patent is directed to a bulk magnetic tape eraser or demagnetizer.

ples of arcuste or transverse tracks is not a greatly crowded field, the patents ments comprising the combinations suit are, in the majority, individually old and well known in the art of recording for the same purpose and function for cording-reproducing utilizing the princiin suit are not pioneer patents. The eleclaimed in the selected patent claims in which the patentees herein have used Although the field of magnetic

fenses to plaintiff's charge of unauthorized use, asserting: that the claims in that the alleged invention defined in claim 6 of the '449 patent is invalid because it had been known to or used by others in this country prior to the invention thereof; that plaintiff is estopped to charge infringement of claim 6 of the '449 patent because plaintiff disclaimed a claim in the '449 patent which is dependent upon claim 6; and that defendant is entitled to a license and/or related rights under the '495 and '595 patents in suit and the alleged inventions covered theresuit are invalid in view of the prior art; Defendant has raised a number of de:

set forth more fully in the findings of fact.¹ By statute, 35 U.S.C. § 282, a patent issued by the Patent Office is pre-[1-3] The specific prior art items relied upon by defendant in its defense of invalidity of the patent claims in suit are

1. Of the many patents and publications eited by the defendant against the 440 patent in its nawer to phintiff's record unsembed position, defendant has relied upon the following:

UNITED STATES PATENTS

Patentee	No.	Date
Dr. Porrer	2,020,872	1030
Pulton	2.127.331	TUSK
Clark	2.188,050	1940
Clatistra	2,728,7212	1043
Dank	2,735,486	1950
Camerax	2,018,721	(Filed
Degran	2,004,550	Film
Pond	104.000.2	(Filed
Begin	2,(572,0411	1963 (Filed 1947)
Hickey	2,707,212	1955 (1956) 1950)

POREIGN PATENTS

	1138
	197,800
	Retish Marzocchi Selbsi Diamant
1	Pritial British

PHRACATION

Ē. Pegun, Magnetic Resording, Rinchart & Company, Inc., New York, 1949, 106-107, 118-119.

Name of the above-listed patents or publications was cited by the Patent Office during the preservation of the '440 intent application.

Defendant has arged that the '450 intent chins in sent are lavelld maler 35 Defendant has arged that the '450 percent chinse is fully authorised 35 the prior art, and that the invention eliment was fully authorised the time if was made and therefore invalid under '55 U.S.C., § 103. In support of its defense of lunshidty of the '319 patent chinse in sait, defendant has cited the following prior patents and publications:

UNITED STATES PATRICUS

l'atentee	. No.	J'nte,
Andrison	1.422.900	1022
De Forest	2,0230,872	11231
	2,245,290	1941
	2,191,112	1043
	2,575,484	1950
Kuhlow	2,746,197	1962 (filled Apr., 196
Regnn	2,004,550	1952 (filed Jan., 194
_	2,020,722	19G3 (filed May, 194
	P.CHR, FACT	1052 (filed July, 1949)
:	2,741,714	1955 (Shel Oet., 195

407,900 1038 (54,58) June, 1951	
 Great Britain, Biamanchi	

the state of the second second

Soundscriber corporation v. united states

City as 360 F.2d (64 (1988)

Note 1-Continued

PUBLICATION

Degun, Magnetic Recording, Rinehart & Company, Inc., New York, 1949.

Defining nored numerous prior patents and publications in its answer al-leging invibility of the '405 and '505 patent claims in suit as feiling to patentably define over the prior art. Of those cited, defendant has relied upon the following:

Date	1838 1940 1950 (Tiled 1861) 1977 (Tiled 1863) 1970 (Tiled 1863) 1972 (Tiled 1962)
No.	2,127,891 2,186,640 2,776,440 2,613,020 2,913,024 2,000,444 3,1020,816 407,800
Patentee	Fulton Clink Materizan Materizan Contrar et al Contrar et al Rarry Britisch, Marzoechi

PUBLICATIONS

Herun, Magnetic Recording, Rinchart & Company, Inc., New York, 1949, pp.

Rarrun, Magnetic Revorling of Long Immtion, L'Onde Electrique, March

Defendant has urged that the following prior parents support his allegation that the '413 patent is invalid in view of the prior art:

UNITED STATES PATENTS

l'atuaton	No.	Date
Henry	000	
Bornmann	1911	Ē
Pornhee	1,020,2N	1912
; =	1,184,523	1915
Bet Bac	1,348,193	500
Principle of the control of the cont	1,577,410	1926
' 2	3,601,109,0	1926
Withol	1,550,775	1032
Wholan of al	2,005,404	1035
Simpleton	2,400,013	1949
	2,077,547	1053

None of the above prior putents was cited by the Untent Office against the 413

patent application. Precondant has urged that the following prior patents emport its allegation that

LINITED STATES PATENT

Date	1038	1038	1941	1946	1952 (filed 1947)
No.	2,100,233	2.1.14.636	2.240,749	2.403,424	2,004,530
Patentee	Brechlyn Breti	Reachline	Distriction.	Thomas .	

None of the listed prior patents was cited by the Patent Office.

sumed valid, and the burden of establishing invalidity is on the party asserting pelled, especially by reference to parti-80 S.Ct. 122, 4 L.Ed.2d 104. Such is the But this presumption may be disnent prior art which was not considered by the Patent Office. See Scripto, Inc. v. Ferber Corporation, 267 F.2d 308 (34) Cir. 1959), cert. denied, 361 U.S. 864, ense of the prior art items relied upon most heavily by defendant herein.

35 U.S.C. § 103 has been aptly stated by Judge Browning in Griffith Rubber Mills v. Hoffar, 313 F.2d 1, 3 (9th Cir. [4] The test for patentability under 1963), as follows:

novations which in the end will add to However, the public is entitled to benefit, without granting special conmally flow from the application of the ordinary skills of one in the trade to the existing fund of public knowledge. Thus the statute prescribes, as a conit would not have been obvious to a hypothetical person skilled in all that Patents are issued not for private benefit but for the public good; they grant a monopoly for a limited period as an incentive to the disclosure of inthe fund of freely available knowledge. cessions, from such advances as nordition of patentability, that what has been accomplished must be such that could have been known, at the pertinent time, in the field to which the invention relates.

It follows that though a device may if it consists of no more than a comedge, and which produces results that be new and useful it is not patentable which are drawn from the existing fund of public knowlwould be expected by one skilled in the

'495, and '595 patents were well known in the magnetic recording art both individually and in various combinations. It is found that these claims recite more [5, 6] The prior art, patents and publications relied upon by defendant clearly show that the elements recited in the selected claims of the '449, '319, '642,

aggregations of elements old in the art which produce no unexpected result and are therefore invalid. The test under 35 U.S.C. § 103 requires a determination of obviousness at the time the invention wия made. This determination is not to he made through hindsight

[7-10] Defendant has contended that the work of one Marvin Camras convention defined in claim 6 of the '449 patent, a bar to patentability under 35 U.S.C. § 102. During 1949 and the peparatus for recording and reproducing forts ultimately culminated in a patent relating to a means for recording and reproducing video signals. The Camras patent application was filed subsequent as an anticipatory reference against To constitute an anticipation, all of the eleprior art. See Firestone v. Aluminum use to defeat patentability must sustain such anticipation by clear and convinements, Inc., 260 F.2d 811 (10th Cir. introduced by defendant at trial fail to 6 of the '449 jutent. Moreover, the stituted prior knowledge and use by another in this country of the alleged inriod following. Camras worked on apvideo signals used in television. His efto the filing of the '449 patent application and is therefore not available ments recited in the claim or their equivalents must be found in one unit of the Co. of America, 285 F.24 928 (6th Cir. 1960). Prior knowledge and use must be public knowledge and use, that is, it One who relies on prior knowledge and ing proof. See Consolidated Electrodynamics Corp. v. Midwestern Instru-Defendant has not met this burden in the subject suit. The documents disclose a slip clutch as recited in claim weight of the evidence sustains a finding that the work of Camras was not accesmust have been accessible to the public. claim 6 of the '449 patent. sible to the public. 1958).

patent, filed a disclaimer disclaiming [11-13] The '449 patent in suit is-1956, plaintiff, as assignee of the '449 claim 10 of the '449 patent. Claim 10 is dependent upon claim 6, one of the rued on June 12, 1956. On June 28,

SOUNDSORIBER CORPORATION 4. UNITED STATES Cite of 360 P.2d 954 (1989)

would have been if the matter so disv. Myers, 94 U.S. 187, 194, 24 L.Ed. 34 claimed may be covered by other claims not disclaimed. The construction of a patent, after a disclaimer has been properly entered, must be the same that it claimed had never been claimed. Dunbar Office allows an invention to be defined through varying the scope of claim cover-Through this practice, structures 449 claims in suit. Defendant contends that plaintiff is estopped to charge infringement of claim 6 because of the disclaimer of claim 10. Defendant's contention is without merit. The Patent defined by a claim which has been dis-

dence shows that the devices defined in set forth with more particularity in the findings of fact. The weight of the eviin the '495 and '595 patents are details of the conception and reduction to practice of the devices disclosed and that a different approach to a recorderreproducer would be required to meet the specifications under the contract. Plaintiff thereupon suggested to the contracting officer the use or a transverse type of recorder-reproducer which is the subciple and the linear principle approaches to recorder-reproducer devices. Prior to receiving the contract, plaintiff realized initially called for both the arcunte prinand '595 patents in suit by virtue of a Government contract entered into by said contract provided for the design and development of an airborne sound recorder-reproducer device. The contract tions disclosed and claimed in the '495 [14] Defendant has contended that cable, nonexclusive, nontransferable, royalty-free license to practice the invenplaintiff and the Government. Briefly, the Government is entitled to an irrevoject of the '495 and '595 patents. claimed

contract, and that defendant would be Government contract, that such work was paid for by funds charged to said entitled to a royalty-free license to use the '495 and '695 patents, if said patents duced to practice under the terms of the the '495 and '695 patents in suit were rehad been found valid.

uring Instruments Corp. does not utilize a resilient means which falls within the range of equivalents accorded claims 6 and 18 of the '449 patent and therefore would not infringe said claims even if claims in suit must be accorded a narrow range of equivalents. The accused sound recorder-reproducer of American Measover the prior art cited by the Patent Office. Thus, the resilient means incorpornted by reference into the '449 patent selected claims of the '449 patent in suit were narrowly defined to distinguish the prior art, the range of equivalents is pany, Inc. et al. v. United States, 345 by the state of the art. Where the art is crowded and the claims must be narrowly construed to be distinguished over See Pratt & Whitney Comwhat is covered by the patent. See Smith v. Snow, 294 U.S. 1, 11, 55 S.Ct. 279, 79 L.Ed. 721 (1935). The range of equivalents which can be accorded an invention is dependent on the degree of the invention. This is to be determined infringement, one must look to the claims of a patent. The patent claims define [15-21] In determining the issues of F.2d 838, 170 Ct.Cl. 829 (1965). said claims were valid. narrow.

selected claims in suit of the '449, '319, 642, '495, and '595 patents are invalid, but that the '413 patent claims in suit defendant has used without authorization [22, 23] It is concluded that the fine a patentable invention which deof the owner.